Ref. No. 3468

ONKYO SERVICE MANUAL

Integrated Stereo Amplifier MODEL A-RV410

UD	120V AC, 60Hz
UP	230V AC, 50Hz
UQ	240V AC, 50Hz
UW	120V/220V AC, 50Hz/60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.



SPECIFICATIONS

Power Output: USA & Canadian models:

110 watts per channel, min RMS, at 8 ohms, both channels driven from 20 Hz to 20 kHz, with no more than 0.08% THD.

Other than USA & Canadian models: Continuous output: 110 W 4 \O DIN 80 W 8 Ω DIN

Total Harmonic Distortion

0.08% at rated power 0.08% at rated power IM Distortion Damping Factor: 50 at 8 ohms

Frequencey and Response:

15 - 30,000 Hz ±1 dB Sensitivity and Impedance

2.5 mV/50 kohms Phono: Tuner/CD/VCR-1, VDP: 150 mV/50 kohms Tape/VCR-2 Play: 150 mV/50 kohms Tape/VCR-2 Rec: 150 mV/2.2 kohms

Phono Overload:

120 mV RMS. at 1 kHz, 0.5% THD

Bass Control: ±10 dB at 100 Hz Treble Control: ±10 dB at 10,000 Hz

Signal to Noise Ratio (IHF-A): Phono: 80 dB (5 mV input)

> CD/Tape: 100 dB

General

Power Supply:

USA & Canadian models: AC 120 V, 60 Hz European models: AC 230 V, 50 Hz UK & Australian models: AC 240 V, 50 Hz

Worldwide models:

220 and 120 V switchable, 50/60 Hz

Dimensions $(W) \times (H) \times (D)$: $455 \times 150 \times 331 \text{ mm}$

17-15/16" × 5-7/8 × 13-1/16"

Weight: 9.8 kg, 21.6 lbs.

Specifications and features are subject to change without notice.

PRECAUTIONS

1. Replacing the fuses

This symbol located near the fuse indicates that the fuse used is fast operating type. For continued protection against fire hazard, replace with same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

Ce symbole indique que le fusible utilise est a rapide. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce darnier est indique la qu le present symbol est appose.

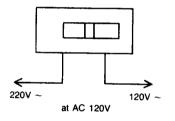
CIRCUIT NO.	PART NO.	DESCRIPTION
F901	252052	7A ST-6
F902	252076 or	3.15A-SE-EAK or
	252076CC	3.15A-SE-EAK Primary fuse (230V, 240V, 120V/220V model)
F903	252075 ог	2.5A-SE-EAK or
	252075CC	2.5A-SE-EAK, Primary fuse (230V model)

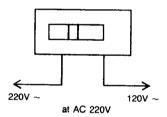
2. Insulation resistance mesurement (Only U.S.A. model)

Connect the insulating-resistance tester between the plug of power supply cable and the terminal GND on the back panell Specifications; More than $10 \text{ M}\Omega$ at 500V.

3. Voltage selector (rear panel)

Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before plugging in the unit. Voltage is changed by sliding the groove in the switch with a screwdriver to the right or left. Confirm that the switch has been moved all the way to the right or left before plugging in the unit. Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.





ADJUSTMENT PROCEDURES

Adjustments and Checking the Protection Circuitry

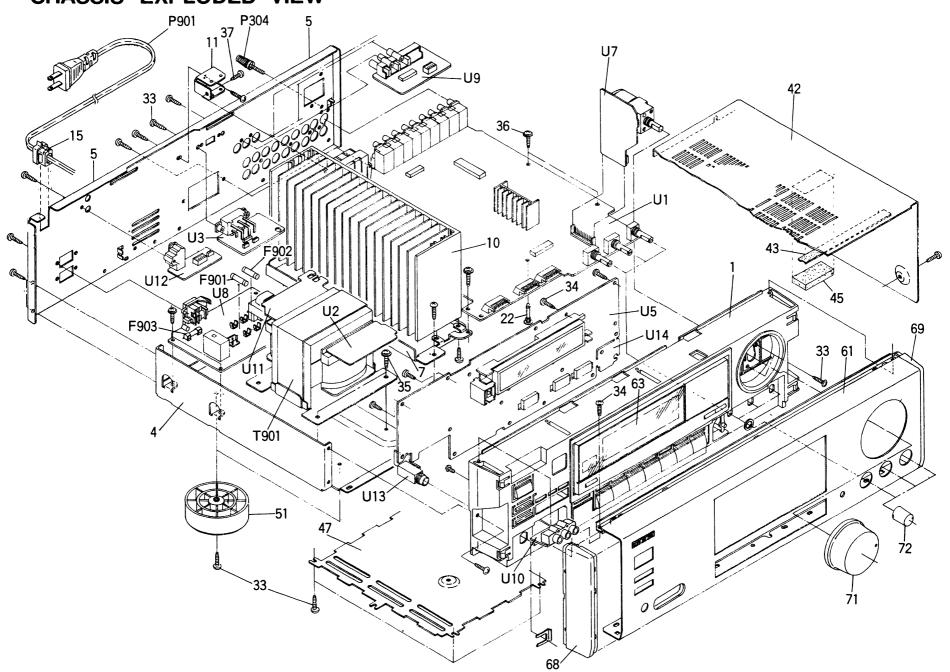
1. Preparations

- 1) Place the unit on the workbench. (There should be about 15 mm of space between the base plate of the unit and the work surface.)
- 2) Set up the unit as follows.
 - (1) No load
 - (2) No signal
 - (3) Volume turned all the way down
 - (4) Speaker switch OFF
 - (5) Power switch OFF
- Note) Check the following points before making adjustments
 - (1) The power switch should be OFF.
 - (2) The interior of the unit should not be warm.

2. Idling current adjustment

- 1) Turn the power switch ON and allow the unit to warm up for about 10 minutes.
 - (1) Ajust R537 (R538) so that the voltage at test point P521 (P522) on the NAAR-4892-2 circuit board is 7.5mV±0.5mV

CHASSIS-EXPLODED VIEW



PARTS LIST

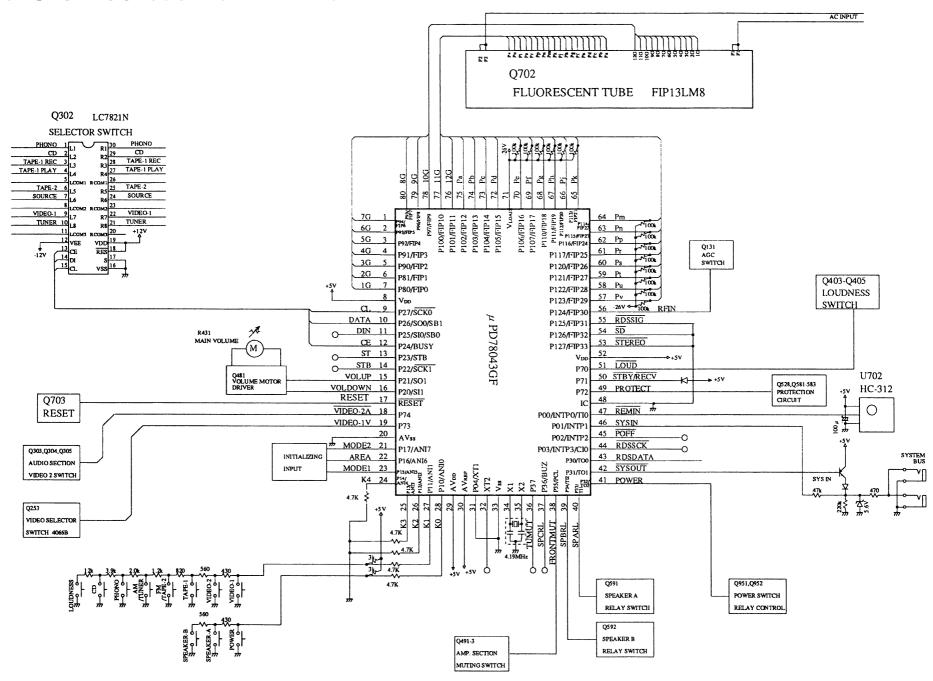
REF. NO.	PART NO.		DESCRIPTION
1	27110793Y		Front bracket
3	28175209AY		Isolating plate
4	27100278AY		Chassis
5	27121821AY		Rear panel <d></d>
	27121822AY		Rear panel <p></p>
	27121824AY		Rear panel <w></w>
6	27267838Y		Guide, Video
7	27130727Y		Bracket H
8	27270212Y		Spacer <w></w>
10	27160330AY		Radiator
11	27141623Y		Retainer H
15	27300750		Bushing cord
22	27190524		KGLS-14RF,Holder
32	801433		3SMS8W.SW+14B(BC),Special screw
33	834430088		3TTS+8B(BC),Self-tapping screw
34	833430080		3TTP+8P(BC),Self-tapping screw
35	830440089		4TTC+8B(BC),Self-tapping screw
36	831130088		3TTW+8B,Self-tapping screw
37	834430108		3TTS+10B(BC),Self-tapping screw
42	28184476BY		Top cover
46	28140546		Cushion
47	27170302Y		Bottom panel
51	27175251AY		Leg
61	1A470121Y		Front panel ass'y
62	8910301		CS-3,Ring CS
63	2819167AY		Clear plate
64	28198782Y		Facet
67	28135199		Badge
68	28125255A		End cap L
69	28125256A		End cap R
71	28324933B		Knob VOLUME
72	28324845B		Knob LEVEL
F901	252166Y	Δ	
F902	252076	Δ	3.15A-SE-EAK,Fuse <p>,<w></w></p>
F903	252075	Δ	2.5A-SE-EAK <p></p>
P304	25060044		Terminal
P901	253192HIT	Δ	
	253193HIT	Δ	AS-CEE <p></p>
	253172 or	Δ	AS-CEE-2,

REF. NO.	PART NO.		DESCRIPTION
	253092-1A		Power supply cord <w></w>
Q521,Q522	2201653,		2SC3856-O,
	2201654 or		2SC3856-Y or
	2201655		2SC3856-P,Transistors
Q523,Q524	2201663,		2SA1492-O,
	2201664 or		2SA1492-Y or
	2201665		2SA1492-P,Transistors
T901	2300979AY	Δ	NPT-1198D,Power transformer <d></d>
	2300980Y	Δ	NPT-1195P,Power transformer <p></p>
	2300981Y	Δ	NPT-1195DG,Power transformer <w></w>
U1	1A470592-2Y		NAAR-4892-2,Main circuit pc board ass'y <d></d>
	1A470592-2AY		NAAR-4892-2A, Main circuit pc board ass'y <p>,<w></w></p>
U2	1A470593-2Y		NAETC-4893-2,Power supply circuit pc board ass'y <d></d>
	1A470593-2AY		NAETC-4893-2A,Power supply circuit pc board ass'y <p>,<w></w></p>
U3	1A470594-2Y		NASW-4894-2,Switch pc board ass'y <d></d>
U5	1A470597-2Y		NADIS-4897-2, Display circuit pc board ass'y <d></d>
	1A470597-2BY		NADIS-4897-2B, Display circuit pc board ass'y <w></w>
U7	1A470599-2Y		NAAF-4899-2,Volume circuit pc board ass'y
U8	1A470500-2Y		NAPS-4900-2,Power supply circuit pc board ass'y <d></d>
	1A470500-2AY		NAPS-4900-2A,Power supply circuit pc board ass'y <p></p>
	1A470500-2BY		NAPS-4900-2B,Power supply circuit pc board ass'y <w></w>
U9	1A470501-2Y		NAETC-4901-2, Video circuit pc board ass'y
U10	1A470502-2Y		NAETC-4902-2, Video terminal pc board ass'y
	1A470502-2AY		NAETC-4902-2A, Video terminal pc board ass'y <p>,<w></w></p>
U11	1A470503-2Y		NAETC-4903-2,Primary circuit pc board ass'y
U12	1A470504-2Y		NAETC-4904-2,RI terminal pc board ass'y <d></d>
	1A470504-2BY		NAETC-4904-2B,RI terminal pc board ass'y <w></w>
U13	1A470505-2Y		NAETC-4905-2, Headphone terminal pc board ass'y
U14	1A470506-2Y		NASW-4906-2,Loudness switch pc board ass'y

NOTE:

THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

MICROPROCESSOR CONNECTION DIAGRAM



TERMINAL DESCRIPTIONS

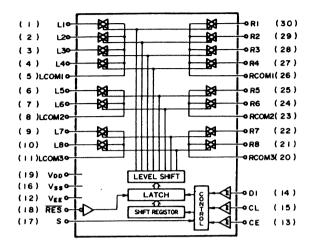
Pin No.	Function	Description	
1~7	7G~1G	Grid output terminals Active"H"	
8	VDD	Positive power supply terminal (+5V)	
9	CL	Output terminal for CL-terninal of LC7821N, CK-terminal of TC9162N,	
		CL-terminal of LC72140, CK-terminal of TC9213P and SCK-terminal of M65830P	
10	DATA	Output terminal for DI-terminal of LC7821N, DATA-terminal of TC9162N,	
		DI-terminal of LC72140, DATA-terminal of TC9213P and DATA-terminal of M65830P	
11	DIN	Input terminal for DO-terminal of LC72140	
12	CE	Output terminal for CE-teminal of LC7821N and LC72140	
13	STB	Output terminal for ST-terminal of TC9162N, STB-terminal of TC9213P	
L		and REQ-terminal of M65830P.	
14	RDSSCK	Input terminal for CLK OUT-terminal of RDS decoder µ PC1346CS	
15	VOLUP	Volume control output terminal	
16	VOLDOWN	Refer to table 1	
17	RESET	Input terminal for System Reset	
18	VIDEO-2A	Output terminal for changing Audio Signal of VIDEO-2	
19	VIDEO-1V	Output terminal for changing Visual Signal of VIDEO-1	
20	AVSS	Grand terminal for A/D converter	
21	MODE2	Initial setting Input terminal for changing AM stereo function	
22	AREA	Initial setting(BAND0,BAND1,AM10K) input terminal for changing frequency range	
23	MODE	Initial setting input terminal for surround function	
24	K4	Key input terminal.	
25	K3	Key input terminal.	
26	K2	Key input terminal.	
27	K1	Key input terminal.	
28	K0	Key input terminal.	
29	AVDD	Analog positive power terminal (+5V) for A/D converter	
30	AVREF	Reference voltage input terminal for A/D converter	
31	XT1	Crystal connection terminal for resonator of sub system clock	
32	XT2	Not used.	
33	VSS	Ground Terminal	
34	X1	Connect the ceramic resonator 4.19MHz.	
35	X2	Resonator connection terminal for resonstor of main system clock	
36	TUMUT	Muting output terminal for tuner	
37	SURMUT	Muting output terminal for center and rear amplifiers	
38	FRONTMUT	Muting output terminal for front amplifier	
39	SPBRL	Control output terminal for speaker relay B	

Pin No.	Function	Description		
40	SPARL	Control output terminal for speaker relay A		
41	POWER	Power source control output terminal		
42	SYSOUT	System code output terminal		
43	RDSDATA	Input terminal for DATA OUT-terminal of μ PC1346CS		
44	RDSSCK	Input terminal for SCK-terminal of μ PC1346CS		
45	POFF	Detection input terminal for power failure		
46	SYSIN	System code input terminal		
47	REMIN	Input terminal for signal of remote control		
48	IC	Internal connection terminal		
49	PROTECT	Detection input terminal for movement of protection circuit		
50	STBY/RECV	STAND-BY and RECEIVED indication output terminal		
51	LOUD	Control output terminal for Loudness switch		
52	VDD	Positive power supply terminal (+5V)		
53	STEREO	Detection input terminal for stereo broadcasting		
54	SD	Detection input terminal for radio station		
55	RDSSIG	Detection input terminal for RDS broadcasting		
56	RFIN	RF MODE input terminal		
57~70	Pv~Pe	Segment output terminals Active"H"		
71	VLOAD	Pull-down resistor connection terminal for control and driver of FIP		
72~75	Pd∼Pa	Segment output terminals Active"H"		
76~80	12G~8G	Grid output terminals Active"H"		

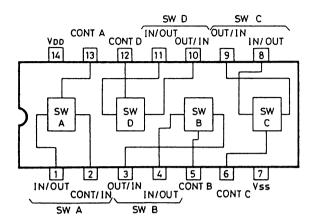
	Outputs			
Movement	VOLUP(#15)	VOLDOWN(#16)		
Stop	Н	Н		
UP	Н	L		
DOWN	L	Н		
POWER OFF	L	L		

IC BLOCK DIAGRAM

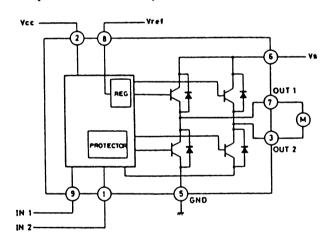
LC7821N (Analog switch)



LC4966 (Switch) 4066B



TA7291S (Volume driver)

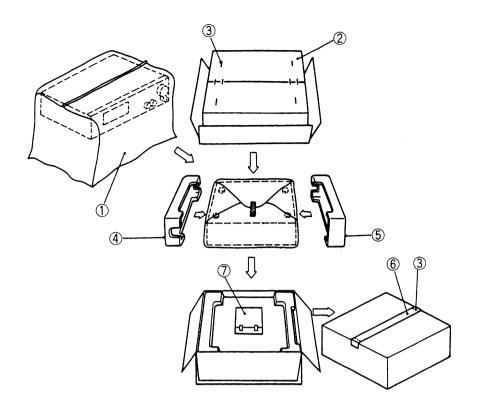


	INP	NPUT OUTPUT		MODE	
I	1N 1	IN 2	OUT 1	OUT 2	MODE
Ì	0	0	œ	∞	STOP
I	1	0	н	L	CW/CCW
	0	١	L	н	ccw/cw
	1	1	L	L	BRAKE

CCW: Counter clockwise direction

CW: Clockwise direction

PACKING VIEW



REF.NO.	PART NO.	DESCRIPTION	NOTE: <d>:120V model only</d>
1	29100034-1Y	Styrene bag for unit	<w>:Worldwide model only</w>
2	29052694Y	Carton box	<n>:USA model only</n>
3	282320	Ten staples	<c>:Canadian model only</c>
4	29091652BY	Pad R	<p> 220V model only</p>
5	29091651BY	Pad L	<v> Germany model only</v>
6	29110071	PP tape	•
7	Accessary bag ass'y		
	2010200	Cord ass y	
	3010054	UM-3,Two batteries	
	25055018	CV-K-1,Conversion plug <w></w>	
	24140261Y	RC-261S,Remote control transmitter	
	29100097-1Y	Styrene bag for accessary	
	29100094B	Styrene bag for accessary <v></v>	
	29341905BY	Instruction manual	
	29341908BY	Instruction manual <p></p>	
	29341907Y	Instruction manual <c w=""></c>	
	29355211Y	Instruction Sheet	
	29355133AY	Instruction Sheet <v></v>	
	29358002J	Service station list <n></n>	
	29361679Y	Label UPC <n></n>	
	29365019A	Warranty card <n></n>	
	29365020H	Warranty card <v></v>	

PRINTED CIRCUIT BOARD PARTS LIST

MAIN CIRCUIT	FPC BOARD (NAAR	-4892-2/2A)			
CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
	ICs			Diodes	
Q301	222502	NJM4558D-X	D505,D506	223205	1SS270A
Q302	22240280	LC7821N	D571,D572	223163	1SS133 or
Q303,Q403	22240025	LC4966	D930,D931	223222	WG713A
Q401,Q402	22240247	BA15218N	D591,D592		
Q481	22240239	TA7291S	D911	22380038	RBV602
Q571	22240752	NJM4556L	D921-D924	22380035 or	GP104003E or
Q921	222780125NEC	78M12HF	D926-D928	22380046	AM01Z
Q922	222790125	79M12HF	D929	224453304	MTZ33D
Q923	222780565JRC	78M56		Coils	
	Transistors		L501,L502	231176S	S-1.3C
Q304,Q404	2213510 or	DTA114ES or		Capacitors	
Q493	2214350	RN2202	C303,C304	354741009	10 μ F,16V,Elect.
Q305,Q405	221282 or	DTC144ES or	C313-C316		
Q572	2213560	RN1204	C401,C402		
Q491,Q492	2213631 or	RN1241-A or	C407-C412		
Q575,Q576	2213632	RN1241-B	C491,C931		
Q501-Q504	2211732 or	2SC1845-F or	C501,C502		
Q505,Q506	2213354 or	2SA933S-R or	C571-C573		
	2212125	2SA1048-GR	C927,C928		
Q509,Q510	2213284 or	2SC1740S-R	C936,C937		
	2212115	2SC2458-GR	C307,C308	354721019	100 μ F,6.3V,Elect.
Q507,Q508	2211733	2SC1845-E	C481,C581		
Q511,Q512	2211353 or	2SA949-O or	C309,C310	374726224	6200pF±5%,50V,Plastic
	2211354	2SA949-Y	C311,C312	374721824	$1800 pF \pm 5\%, 50 V$, Plastic
Q513,Q514	2211633 or	2SC2229-O or	C391,C392	374721015	100pF±10%,50V,Plastic
	2211634	2SC2229-Y	C413,C414	374721534	$0.015 \mu\text{F} \pm 5\%,50\text{V,Plastic}$
Q515,Q516	2213284 or	2SC1740S-R or	C417,C418		
	2212115	2SC2458-GR	C421,C422	374724734	0.047μ F \pm 5%,50V,Plastic
Q517,Q518	2202034 or	2SD1763A-D or	C527,C528		
	2202035	2SD1763A-E	C503,C504	374721015	100pF ± 10%,50V,Plastic
Q519,Q520	2202024 or	2SB1186A-D or	C507,C508	354742219	220 μ F,16V,Elect.
	2202025	2SB1186A-E	C513,C514	354722219	220 μ F,6.3 V,Elect.
Q525,Q526	2211633 or	2SC2229-O or	C521,C522	354772209	22 μ F,63 V,Elect.
	2211634	2SC2229-Y <d></d>	C539,C540	354741019	100μ F,16V,Elect.
Q525,Q526	2211732 or	2SC1845-F or	C567,C568	354700109	1μ F,160V,Elect.
	2211733	2SC1845-E <w></w>	C570	354791019	100 μ F,100V,Elect. <d></d>
Q573	2211163 or	2SC2120-O or		354771019	100 μ F,63 V,Elect. <w></w>
	2211164	2SC2120-Y	C915,C916	3504237	10000 μ F,71V,Elect. <d></d>
Q581,Q582	2211732 or	2SC1845-F or	C923	354753329	2200 μ F,25V,Elect.
.	2211733	2SC1845-E	C924	354764719	470 μ F,35V,Elect.
Q583	2211792 or	2SA992-F or	C932	354761019	100 μ F,35V,Elect.
-	2211793	2SA992-E	C933	354781019	100 μ F,50V,Elect.
Q591,Q592	2213640 or	DTC123JS or			•
	2214660	RN1205			
Q924	2211455	2SA1015-GR			
~ ·= ·					

CAUTION:Replacement for transistor of mark *,if necessary, must be made from the same beta group (H FE) as the original type.

CIRCUIT NO.	PART NO.	DESCRIPTION
	Resistors	
R393	5104225	N11RGLC250KWT22Z, Balance
R409	5104230	N14RLC100KWT22Z,Bass
R415	5104230	N14RLC100KWT22Z,Treble
R533,R534	443522704	27 ohm, 1/2W, Metal oxide
R535,R536	443521014	100 ohm,1/2W,Metal oxide
R537,R538	5210259	N06HR 2KBC,Trim
R543,R544	443523314	330 ohm,1/2W,Metal oxide
R545,R546	4000132Y	$0.22 \text{ ohm} \times 2.5 \text{W} + 5 \text{W}$, Metal plate
R551,R552	453630824	8.2 ohm,1W,Metal
R553,R554	443523924	3.9 kohm,1/2W,Metal oxide
R567,R568	453530224	2.2 ohm, 1/2W, Metal
R923		
R570	443522204	22 ohm,1/2W,Metal oxide
R927,R930		
R924	453530824	8.2 ohm,1/2W,Metal
R933	443524704	47 ohm,1/2W,Metal oxide
	Relaies	
RL591,RL592	25065339	NRL-2P5A-DC24-046
	Plugs	
P321	25055133	NPLG-3P117
P613a	25055652	NPLG-14P608
	Terminals	
P301-P303	25045300	NPJ-6PDBL-159
P501	25060158	NTM-8PDMN084
	Sockets	
P711a-P713a	25051046	NSCT-10P833
JL261a	25051087	NSCT-3P874
JL912a,JL913a	25051109	NSCT-5P896
POWER SUPPL	Y CIRCUIT PC BOAR	D(NAETC-4893-2/2A)
CIRCUIT NO.	PART NO.	DESCRIPTION
R921,R922	453534794	0.47 ohm, 1/2W, Metal resistors
SWITCH PC RO	ARD (NASW-4894-2)	
CIRCUIT NO.	PART NO.	DESCRIPTION
S911	25065437	NSS-22157P,Slide switch
•		=2.5/1,onde switch

NOTE: THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

DISPLAY CIR	CUIT PC BOAR	D (NADIS-4897-2/2A)
CIRCUIT NO.		DESCRIPTION
	IC	
Q701	22240773Y	μ PD78042GF-064
-	FL tube	<i>p</i>
Q702	212127Y	FIP13LM8
•	Remote contro	
U702	24130010Y	HC-312
	Transistors	
Q703	221282 or	DTC144ES or
_	2213560	RN1204
Q704-Q706	2213284 or	2SC1740S-R or
-	2212115	2SC2458-GR
Q707	2213510 or	DTA114ES or
_	2214350	RN2202
	Diodes	
D701,D702	223205 or	1SS270A or
D704,D705	223163	1SS133
D708	223205 or	1SS270A or
D710-D712	223163	1SS133
D703	224450913	MTZ9.1C
D706,D707	224450562	MTZ5.6B
D709	225291D	SEL4910D-D,LED
	Resonator	
X701	3010163	CST4.19MGW,Crystal
	Coils	,
L701-L703	233454K220	NCH-1452 220K
	Capacitors	
C701	3000075Y	0.047F,5.5V,Super
C702	375524744	0.47μ F \pm 5%,50V,Plastic
C703,C709	354721019	100 μ F,6.3 V, Elect.
C711		•
C704	354780109	1 μ F,50V,Elect.
C706,C707		·
	Switches	
S701-S703	25035652	NPS-111-S604
S707-S713		
	Plugs	
P711b-P713b	25055659	NPLG-10P615
	Holder	
	27190937Y	FL tube
	Retainer	
	27141575Y	RI terminal

VOLUME CIRCUIT PC BOARD (NAAF-4899-2)

CIRCUIT NO.	PART NO.	DESCRIPTION
R431	5104334Y	N16RGL100KBT25F, Variable, Volume
P613b	25050985	NSCT-12P772,Socket

DOWED STIDD	V CIDCUIT DO 1	O 4 I	ALA DD 4000 2/2D)	n	I TEDMINA I	DC DO 4 DINALA	ETC 4004 0
		OAI	RD (NAPR-4900-2/2B)			PC BOARD(NA	· ·
CIRCUIT NO.	PART NO.		DESCRIPTION	C	IRCUIT NO.	PART NO.	DESCRIPTION
	Transistors					Terminal	
Q951	221282 or		DTC144ES or	P	961	25045330	NPJ-2PDBL184
	2213560		RN1204				
Q952	2213650 or		DTD113ZS or	н	EADPHONE T	TERMINAL PC	BOARD(NASW-4905-2)
	2214680		RN1226		IRCUIT NO.	PART NO.	DESCRIPTION
	Diodes			0.		Terminal	22001111011
D951-D954	22380035 or		GP104003E or	De	F02		VI/D01 5000
D731-D734				P	503	25045255	YKB21-5009
2055	22380046		AM01Z				
D955	223222,		WG713A,	L	OUDNESS SW	/ITCH PC BOAI	RD(NASW-4906-2)
	223205 or		1\$\$270A or	C	IRCUIT NO.	PART NO.	DESCRIPTION
	223163		1SS133			Switch	
	Capacitors			S7	714	25035652	NPS-111-S604
C901	3500065A	Δ	DE7150FZ103PAC400V/125V				
C952	354742219		220 μ F,16V,Elect.				
	Resistors						
R951	453530824		9.2 about 1/200 Marcal				
K931			8.2 ohm,1/2W,Metal				
	Power transform						
T902	2300670		NPT-1111D <d></d>				
	2300672	Δ	NPT-1111DG <w></w>				
	Relay						
RL901	25065483	Δ	NRL-1P5A-DC-12-084				
CIRCUIT NO.	PART NO.		DESCRIPTION				
	Fuses						
F901	252166Y	Δ	6.3A-UL/T-237				
F902	252076	Λ	3.15A-SE-EAK <w></w>				
	Fuseholders	_					
F901a	25050065	٨	YSH403T				
		_					
F902a	25050065	Δ:Σ	YSH403T <w></w>				
	Plug						
P901a	25055675		NPLG-2P631 <d></d>				
	Socket						
P902	25051124	Δ	NSCT-6P911,AC outlet <d></d>				
	25051125	Δ	NSCT-4P912,AC outlet <w></w>				
	Switch						
S901	25065437	A	NSS-22157P, Voltage selector <w></w>				
3,01	25005457	~~	1103-221571, Voltage selector (117				
VIDEO CIRCUI	T PC BOARD (NA	AETC	C-4901-2)				
CIRCUIT NO.	PART NO.		DESCRIPTION				
. ,	IC .						
0253			4/166 D				
Q253	222840661		4066B				
	Transistors						
Q251,Q252	2213284 or		2SC1740S-R or				
	2212115		2SC2458-GR				
	Diode						
D251	223222,		WG713A,				
	223205 or		1SS270A or				
	223163		1SS133				
C251 C252	Capacitors		100 5 (2) 5				
C251,C252	354721019		100 μ F,6.3V,Elect.				
C257							
C255,C256	354724719		470 μ F,6.3V,Elect.				
C259	354741019		100 μ F,16V,Elect.				
	Terminal						
P251	25045299		NPJ-3PDYE158				

P261b

25055132Y

NPLG-2P116

BLOCK DIAGRAM

